



A.N. 10/09/110,018
Atty. Docket No. 03500.012830

VERSION WITH MARKINGS TO SHOW CHANGES MADE TO CLAIMS

WHAT IS CLAIMED IS:

1. (Amended) An image pickup apparatus comprising:

an image pickup [means for picking] device adapted to pick up an image of an object to output an image signal;

an image processing [means for processing] device adapted to process the image signal to generate [high] first-resolution image data and [low] second-resolution image data having a resolution which is not higher than that of the first-resolution image data;

[designation means for outputting designation so as to cause said image processing means to process the image signals of a plurality of frames;]

a [first] storage [means for storing] control device adapted to store, in a memory, the [high] first- and [low] second-resolution image data of [the] a plurality of frames which are obtained by processing the image signals[in accordance with the designation];

[display means for displaying an image;]

a display control [means for displaying] device adapted to display the [low] second-resolution image data of the plurality of frames stored in said [first storage means] memory on [said display means] a display screen;

a compression encoding [means for compressing and encoding] device adapted to compress and encode, at a predetermined compression ratio, the [high] first-resolution image data of the plurality of frames stored in said [first storage means] memory;

[second storage means for storing] wherein said storage control device
stores the compressed and encoded image data of the plurality of frames in said memory, [;] and
[first selection means for selecting and outputting] outputs a compressed
and encoded image data of a desired frame from the compressed and encoded image data of the
plurality of frames stored in said [second storage means, on the basis of display of said display
means] memory in response to selecting the desired frame.

2. (Amended) An apparatus according to claim 1, [further comprising third
storage means for storing] wherein said storage device stores the selected image data [selected by
said first selection means] in a non-volatile memory.

3. (Amended) An apparatus according to claim 1, further comprising
transmission [means for transmitting] device adapted to the selected image data [selected by said
first selection means].

4. (Amended) An apparatus according to claim 1, wherein [said apparatus
further comprises second selection means for selecting a desired image from the plurality of
images based on the low-resolution image data of the plurality of frames displayed on said
display means, and] said display control [means] device extracts image data corresponding to the
selected image selected [by said second selection means] from the compressed and encoded
image data of the plurality of frames stored in said [second storage means] memory and enlarges
and displays the extracted image data on said display [means] screen.

5. (Amended) An apparatus according to claim 1, wherein said compression encoding [means] device compresses and encodes [again] the selected image data [selected by said first selection means] at a compression ratio different from the predetermined compression ratio and stores the compressed and encoded image data in said [second storage means] memory.

6. (Amended) An apparatus according to claim 1, wherein said image processing [means] device processes the image signal obtained from said image pickup [means] device to generate middle-resolution image data [and stores the middle-resolution image data in said first storage means], and said display control [means] device displays the stored middle-resolution image data on said display [means] screen.